

QUININE BENZOATE

Buchler specification (Pharma)

APPEARANCE

White or almost white or colourless, fine, silky needles, often in clusters

PARAMETER

LIMIT

Identification A. TLC / B. Bromine water-ammonia test / C. Benzoate test / D. Fluorescence	passes
Appearance of solution	clear and $\leq B_6$
pH	6.2 – 6.9
Loss on drying	$\leq 1.0 \%$
Specific optical rotation (on dry basis, $c = 2.0$ in EtOH 96.5 %, $[\alpha]^{20}_D$)	- 140 ° to - 170 °
Other Cinchona alkaloids (HPLC)	
Dihydroquinine	$\leq 10.0 \%$
Any other impurity eluted before Quinine	$\leq 5.0 \%$
Any other impurity	$\leq 2.5 \%$
Sulfates	≤ 500 ppm
Chlorides	≤ 500 ppm
Sulfated ash	$\leq 0.1 \%$
Assay (on dry basis)	98.5 to 101.5 %
Residual solvents	meets the pharmacopoeial requirements

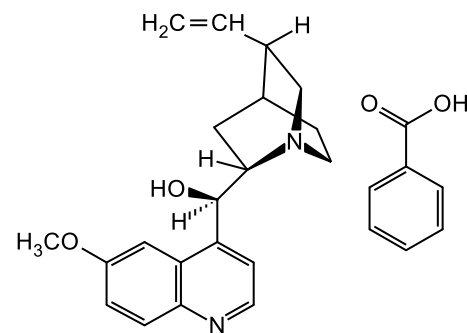
ORIGIN

Product is made in Germany.

CHEMICAL DATA

Formula $C_{20}H_{24}N_2O_2 \cdot C_6H_5COOH$

CAS Number 750-88-9



STANDARD PACKAGING

25 kg Unit	
Outer container	Fiber drum
Outer liner	LDPE
Inner liner	LDPE

STABILITY

Product is stable for 5 years from date of production if stored under recommended conditions in original packaging.

STORAGE

Store in the original packaging to protect from light. No specific temperature requirements.

VERSION / VALID FROM

01 / 07.04.2022